TA-EX880/MS717

SERVICE MANUAL



AEP Model **UK Model** TA-EX880 E Model Tourist Model

TA-MS717

TA-EX880/MS717 are the amplifier section in DHC-EX880MD/MD717.

Photo: TA-MS717

SPECIFICATIONS

TA-EX880:

DIN power output

45 + 45 watts (6 ohms at

1 kHz, DIN)

Continuous RMS power output

59 + 59 watts (6 ohms at

1 kHz, 10% THD)

Music power output

105 + 105 watts

TA-MS717:

Continuous RMS power output

55 + 55 watts (6 ohms at

1 kHz, 5% THD)

CD IN, MD IN (phono jacks):

voltage 450 mV, impedance 47 kilohms

TUNER IN, TAPE IN, VIDEO1 IN (CS/BS IN)*,

VIDEO2 IN (LD/DVD IN)*, VIDEO3 IN

(VIDEO IN)* (phono jacks):

voltage 250 mV, impedance 47 kilohms

* For DHC-MD717

Outputs

MD OUT, TAPE OUT (phono jacks):

voltage 250 mV,

impedance 1 kilohm

PHONES (stereo phone jack):

accepts headphones of 8 ohms or more.

accepts impedance of 6 to SPEAKER:

16 oĥms.

Dimensions (w/h/d) incl. projecting parts and controls: Approx. 280 x 125 x

300 mm

Approx. 5.0 kg Mass

Design and specifications are subject to change

without notice.

INTEGRATED STEREO AMPLIFIER





SECTION 1 SERVICING NOTES

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MODEL IDENTIFICATION

- Back panel -



4-995-104-2□: Hong Kong, Singapore, Malaysia

4-995-104-3□: Tourist

POWER ON/OFF CONTROL

• As the power on/off control is made by the Tuner Unit (ST-EX880/MS717), the POWER switch is not provided to this set. Accordingly, for servicing, connect the set to the Tuner Unit (ST-EX880/MS717). (Fig. 1)

(If the Tuner Unit (ST-EX880/MS717) is not available, connect a power cord directly to this set. (Fig. 2)

Also, if the set is not connected to the Tuner Unit (ST-EX880/MS717), to enter the TEST mode (LED CHECK mode), press FUNCTION ▼ button and SOURCE DIRECT button simultaneously two times.

When each button is pressed, the LED associated with each button lights up.

Connection:

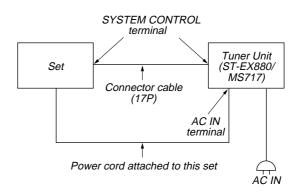
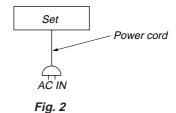


Fig. 1



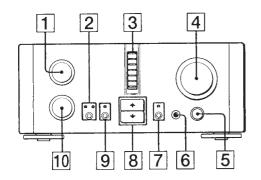
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 2 GENERAL

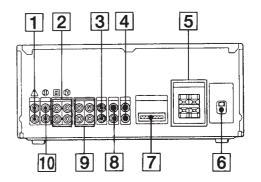
LOCATION OF CONTROLS

- Front Panel -



- 1 TREBLE control knob
- 2 DBFB button, LOW/HIGH indicator
- 3 FUNCTION (TUNER, CD, MD, TAPE, CS/BS, LD/DVD, VIDEO) indicator (TA-MS717)
 FUNCTION (TUNER, CD, MD, TAPE, VIDEO1, VIDEO2, VIDEO3) indicator (TA-EX880)
- 4 VOLUME control knob
- **5** BALANCE control knob
- 6 PNONES jack
- 7 –20dB MUTING button and indicator
- **8** FUNCTION **↑**/**↓** button
- 9 SOURCE DIRECT button and indicator
- 10 BASS control knob

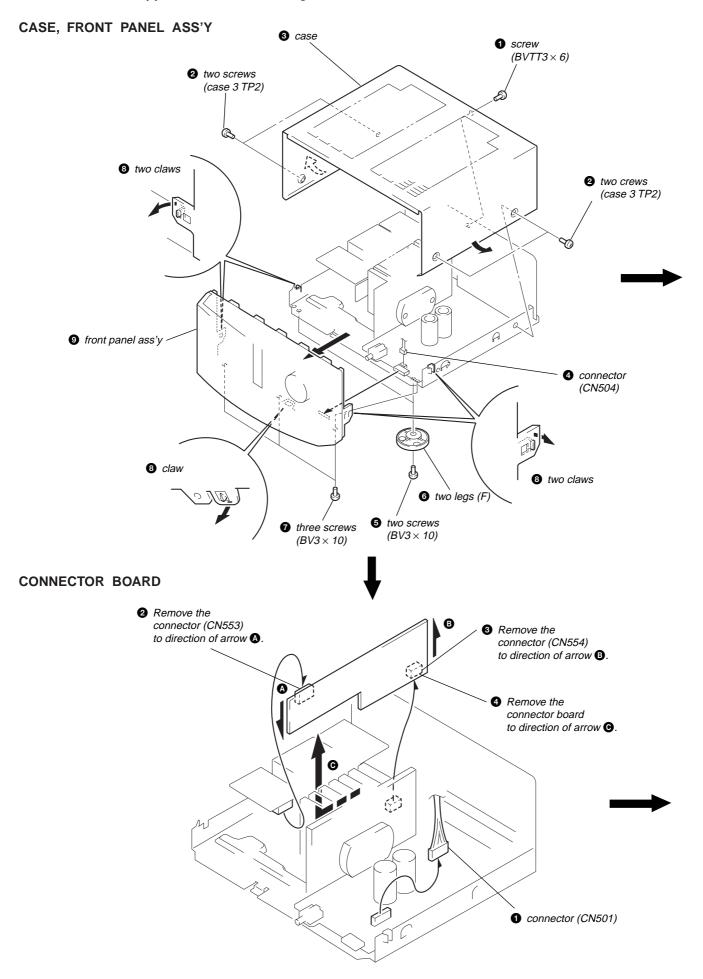
- Rear Panel -



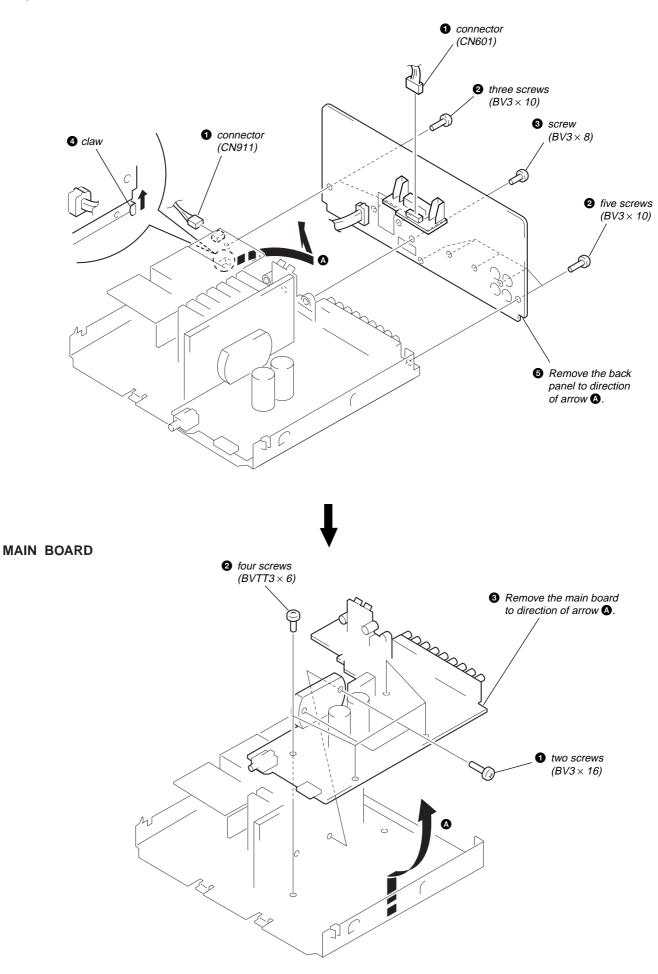
- 1 TUNER IN jack
- 2 MD IN/OUT jack
- 3 CS/BS IN jack (TA-MS717) VIDEO1 IN jack (TA-EX880)
- 4 VIDEO IN jack (TA-MS717) VIDEO3 IN jack (TA-EX880)
- **5** SPEAKER terminal
- 6 Power cord
- 7 SYSTEM CONTROL terminal
- 8 LD/DVD IN jack (TA-MS717) VIDEO2 IN jack (TA-EX880)
- 9 TAPE IN/OUT jack
- 10 CD IN jack

SECTION 3 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

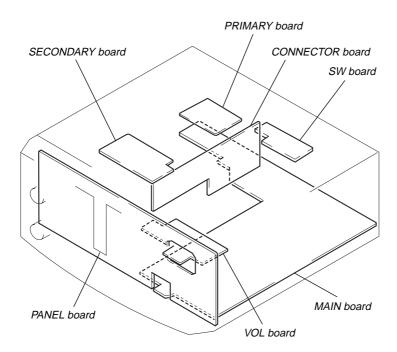


BACK PANEL



SECTION 4 DIAGRAMS

• Circuit Boards Location



• Semiconductor Location

Ref. No.	Location
D301 D302 D315 D351 D352 D365 D702 D801 D802 D803 D804 D808 D809 D810 D813 D818 D819 D820	H-4 H-4 J-5 E-4 E-5 E-2 E-2 E-2 E-13 I-4 I-3 E-2 E-14 I-4
IC301 IC501 IC502 IC503 IC504 IC505 IC701 IC802	F-5 C-2 C-1 C-2 J-2 C-1 J-3 H-3
Q301 Q302 Q303 Q351 Q501 Q502 Q503 Q504 Q554 Q809 Q819	H-4 I-5 I-5 E-4 J-2 J-2 J-1 J-3 J-3 I-3

Note on Printed Wiring Boards:

- \circ —— : parts extracted from the component side.

4-5. IC PIN FUNCTION DESCRIPTION

• PANEL BOARD IC101 μPD78082GB-A293BSMTX (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Function
1 to 3		I	Not used (fixed at "L")
4	DESTINATION	I	Input terminal for the destination setting (fixed at "L")
5	AC3 VOL	I	Detection input of the VOLUME (RV204) position "L": minimum, "H": maximum
6	Hes vol	I	Not used (fixed at "L")
7	FUNCTION/C	0	Function select signal output terminal (C) *1
8	FUNCTION/B	0	Function select signal output terminal (B) *1
9	FUNCTION/A	0	Function select signal output terminal (A) *1
10, 11		I	Not used (fixed at "L")
10, 11	DATA 0 to		Totaled (Med at 12)
12 to 15	DATA 3	I/O	Two-way data bus with the system control bus
16	LED-CLK	О	Serial data transfer clock signal output to the LED driver (IC102)
17	VSS	_	Ground terminal
18	LED-DATA	О	Serial data output to the LED driver (IC102)
19	LED-LATCH	О	Serial data latch pulse output to the LED driver (IC102)
20	LED-RESET	О	Reset signal output to the LED driver (IC102) "H": reset
21	LINE-MUTE	О	Line muting on/off control signal output terminal "L": line muting on
22	DIRECT	О	Source direct function on/off control signal output terminal "H": source direct on
23	GND	_	Ground terminal
24	DBFB-SW	О	DBFB function on/off control signal output terminal "L": DBFB on
25	DBFB-LEVEL	О	DBFB sensibility selection signal output terminal "L": DBFB high, "H": DBFB low
26	MUTE-20dB	О	Attenuator control (-20 dB) signal output terminal "L": attenuate (-20 dB) on
27	VOL-LOUD	О	Motor control signal output to the volume control motor driver (IC104) "H" active
28	VOL-WEAK	О	Motor control signal output to the volume control motor driver (IC104) "H" active
29	AC3	O	Dolby surround (AC-3) system control output terminal "L" active
30	AC-CUT	I	AC off detection signal input terminal "L": AC off
31	Y-BUS-CLK	I/O	Bus data transfer/reading clock signal in/out terminal for the system control bus
32	Y-BUS-BUSY	I/O	Busy signal in/out terminal for the system control bus
33	_	I	Not used (fixed at "L")
34	GND	_	Ground terminal
35	RESET	I	System reset signal input from the reset signal generator (IC103) "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it changes to "H"
36	GND	_	Ground terminal
37	X2	О	Main system clock output terminal (5 MHz)
38	X1	I	Main system clock input terminal (5 MHz)
39	VDD		Power supply terminal (+5V)
40	AVDD	_	Power supply terminal (+5V) (for A/D converter)
41	AVREF	I	Reference voltage (+5V) input terminal (for A/D converter)
42	GND		Ground terminal
43	KEY 1	I	Key input terminal (A/D input) (S101 and S102) FUNCTION ♠, FUNCTION ♦ keys input
44	KEY 2	I	Key input terminal (A/D input) (S103 to S105) -20dB MUTING, SOURCE DIRECT, DBFB keys input

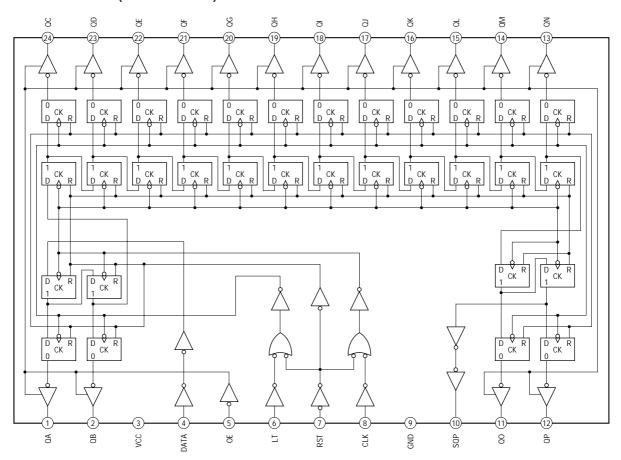
*1 Function select control

1 1 direction select control							
Function Terminal	TUNER CD MD TAPE VIDEO 1 (CS/BS) (CS/BS) (CS/BS) (CS/BS) (CS/BS)			VIDEO 2 (LD/DVD)	VIDEO 3 (VIDEO)		
FUNCTION/A (pin (9))	"H"	"L"	"L"	"H"	"L"	"H"	"H"
FUNCTION/B (pin 8)	"L"	"H"	"L"	"H"	"H"	"H"	"L"
FUNCTION/C (pin ⑦)	"L"	"L"	"H"	"H"	"H"	"L"	"H"

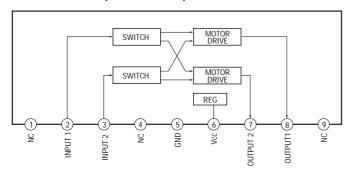
(): TA-MS717

• IC Block Diagrams

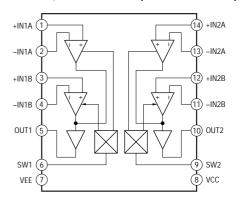
IC102 M66310FP (PANEL BOARD)



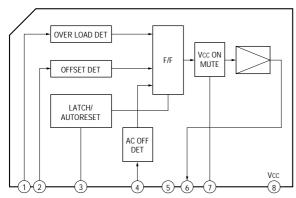
IC104 BA6208 (VOL BOARD)



IC202, 203 BA3129 (PANEL BOARD)



IC701 μPC1237HA (MAIN BOARD)



SECTION 5 EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one
- Color Indication of Appearance Parts Example:

KNOB, BALANCE (WHITE) . . . (RED)

↑ ↑

Parts Color Cabinet's Color

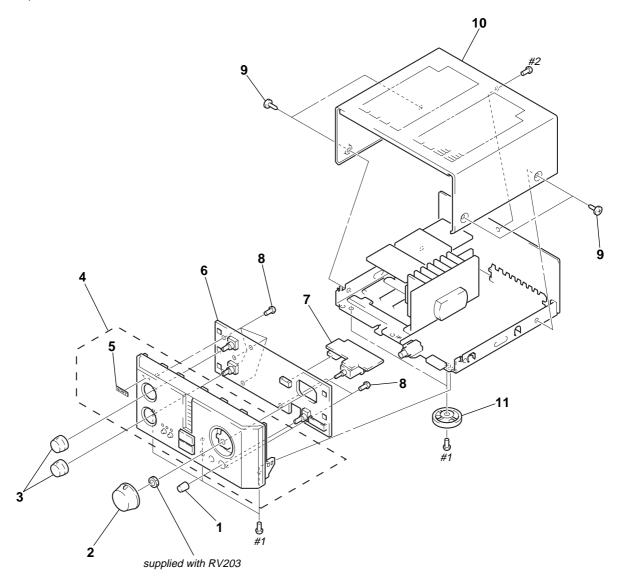
• Abbreviation

HK : Hong Kong SP : Singapore JE : Tourist MY : Malaysia

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

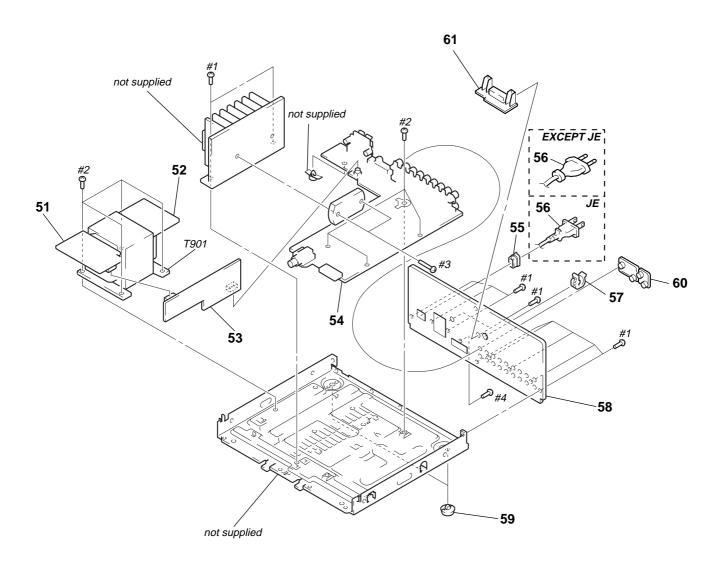
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

(1) CASE, FRONT PANEL SECTION



Ref. No.	Part No.	Description	<u>Remark</u>	Ref. No.	Part No.	<u>Description</u>	Remark
1	4-995-103-01	` ,		* 6 * 7		PANEL BOARD, COMPLETE (MS717)	
2		KNOB (VOL) ASSY KNOB (TONE)		8	1-667-613-11 4-951-620-01	SCREW (2.6X8), +BVTP	
4		PANEL ASSY, FRONT (EX880)		9		SCREW (CASE 3 TP2)	
4	X-4949-030-1	PANEL ASSY, FRONT (MS717)		10	4-978-245-11	CASE	
5 * 6		EMBLEM (4-A), SONY PANEL BOARD, COMPLETE (EX880)		11	4-977-699-11	LEG (F)	

(2) CHASSIS SECTION



Ref. No.	Part No.	Description	<u>Remark</u>	Ref. No.	Part No.	Description	<u>Remark</u>
* 51	1-667-605-11	SECONDARY BOARD		* 57	4-949-235-01	HOOK	
* 52	1-667-603-11	PRIMARY BOARD		* 58	4-995-104-11	PANEL, BACK (EX880)	
* 53	1-667-614-11	CONNECTOR BOARD		* 58	4-995-104-21	PANEL, BACK (MS717: HK, SP, MY)	
* 54	A-4407-861-A	MAIN BOARD, COMPLETE (EX880)		* 58	4-995-104-31	PANEL, BACK (MS717: JE)	
* 54	A-4407-864-A	MAIN BOARD, COMPLETE (MS717)		59	4-965-822-01	FOOT	
55	3-703-244-00	BUSHING (2104), CORD (EXCEPT JE))	60	4-992-237-01	CAP (PJ)	
* 55	3-703-571-11	BUSHING (S) (4516), CORD (JE)		* 61	1-667-612-11	SW BOARD	
 ∆ 56	1-765-100-11	CORD, POWER (JE)		 ∆ T901	1-431-301-11	TRANSFORMER, POWER (EX880)	
 ∆ 56	1-783-499-11	CORD, POWER (EXCEPT JE)		△ T901	1-431-836-11	TRANSFORMER, POWER (MS717)	

SECTION 6 ELECTRICAL PARTS LIST

CONNECTOR

MAIN

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS

All resistors are in ohms. METAL: Metal-film resistor.

METAL OXIDE: Metal oxide-film resistor.

F: nonflammable

 Items marked "*" are not stocked since they are seldom required for routine service.
 Some delay should be anticipated when ordering these items.

SEMICONDUCTORS

 $\begin{array}{lll} \text{In each case, u: } \mu, \text{ for example:} \\ uA. & : \mu A. & uPA. & : \mu PA. \\ uPB. & : \mu PB. & uPC. & : \mu PC. \\ uPD. & : \mu PD. & . \end{array}$

• CAPACITORS uF: µF

• COILS uH: μH The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board.

Ref. No. Part No. Description Remark Ref. No. Part No. Description	
* 1-667-614-11 CONNECTOR BOARD C356 1-124-122-11 ELECT 100uF 20%	50V
**************************************	50V
C360 1-136-163-00 FILM 0.068uF 5%	50V
< CAPACITOR > C361 1-136-163-00 FILM 0.068uF 5%	50V
C821 1-136-153-00 FILM 0.01uF 5% 50V C401 1-164-159-11 CERAMIC 0.1uF	50V 50V
C831 1-136-153-00 FILM 0.01uF 5% 50V	(EX880)
C402 1-164-159-11 CERAMIC 0.1uF	50V ´
< CONNECTOR >	(EX880)
C403 1-164-159-11 CERAMIC 0.1uF	50V
CN541 1-770-965-11 PIN, CONNECTOR (PCB)(V TYPE)5P * CN553 1-569-504-11 PIN, CONNECTOR 9P C451 1-164-159-11 CERAMIC 0.1uF	(EX880) 50V
* CN554 1-569-499-11 PIN, CONNECTOR 3P	(EX880)
	(2/1000)
< DIODE > C452 1-164-159-11 CERAMIC 0.1uF	50V
	(EX880)
D808 8-719-200-02 DIODE 10E2 C453 1-164-159-11 CERAMIC 0.1uF	50V
D818 8-719-200-02 DIODE 10E2 ***********************************	(EX880) 50V
CSUT 1-10Z-200-ST CERAIVIC ZZUFT 10/0	(EX880)
* A-4407-861-A MAIN BOARD, COMPLETE (EX880) C502 1-162-286-31 CERAMIC 220PF 10%	50V
* A-4407-864-A MAIN BOARD, COMPLETE (MS717)	(EX880)
**************************************	50V
* 4 042 204 01 DLATE CDOLIND	(EX880)
* 4-942-204-01 PLATE, GROUND 7-685-871-01 SCREW +BVTT 3X6 (S) C504 1-162-286-31 CERAMIC 220PF 10%	50V
7-003-071-01 30KEW 15911 3X0 (3)	(EX880)
< CAPACITOR > C505 1-162-286-31 CERAMIC 220PF 10%	50V
	(EX880)
C301 1-126-045-11 ELECT 2.2uF 20% 50V C506 1-162-286-31 CERAMIC 220PF 10%	50V
C303 1-162-282-31 CERAMIC 100PF 10% 50V C507 1-162-286-31 CERAMIC 220PF 10%	(EX880) 50V
C304 1-120-039-11 ELECT 100F 20% 50V C307 1-102-200-31 CERAINIC 220PF 10% C305 1-126-868-11 ELECT 47uF 20% 50V	(EX880)
C306 1-124-122-11 ELECT 100uF 20% 50V C508 1-162-286-31 CERAMIC 220PF 10%	50V
	(EX880)
C307 1-126-059-11 ELECT 10uF 20% 50V	
C308 1-126-233-11 ELECT 22uF 20% 50V C509 1-162-286-31 CERAMIC 220PF 10%	50V
C309 1-164-159-11 CERAMIC 0.1uF 50V C310 1-136-163-00 FILM 0.068uF 5% 50V C510 1-162-282-31 CERAMIC 100PF 10%	(EX880) 50V
C310 1-136-163-00 FILM 0.068uF 5% 50V C520 1-126-052-11 ELECT 100uF 20%	16V
C521 1-126-163-00 FIEW 0.000di 570 50V C521 1-126-163-11 ELECT 4.7uF 20%	50V
C312 1-126-868-11 ELECT 47uF 20% 50V C531 1-162-306-11 CERAMIC 0.01uF 20%	16V
C331 1-162-306-11 CERAMIC 0.01uF 20% 16V	
(EX880) C532 1-162-306-11 CERAMIC 0.01uF 20%	16V
C340 1-126-059-11 ELECT 10uF 20% 50V C533 1-162-306-11 CERAMIC 0.01uF 20%	16V
C351 1-126-045-11 ELECT 2.2uF 20% 50V C534 1-162-306-11 CERAMIC 0.01uF 20% C353 1-162-282-31 CERAMIC 100PF 10% 50V C535 1-162-306-11 CERAMIC 0.01uF 20%	16V 16V
C535 1-102-262-51 CERAINIC 100PF 10% 50V C535 1-102-306-11 CERAINIC 0.01uF 20% C536 1-162-306-11 CERAINIC 0.01uF 20%	16V
C354 1-126-059-11 ELECT 10uF 20% 50V	
C355 1-126-868-11 ELECT 47uF 20% 50V C537 1-162-303-11 CERAMIC 0.01uF 20%	16V

MAIN

Ref. No.	Part No.	<u>Description</u>			Remark	Ref. No.	Part No.	Description			<u>Remark</u>
C538	1-162-303-11	CERAMIC	0.01uF	20%	16V			< DIODE >			
	1-162-306-11		0.01uF		16V			< DIODE >			
C539				20%		D004	0.740.044.40	DIODE 4004			
C540	1-162-306-11		0.01uF	20%	16V	D301		DIODE 1SS1			
C541	1-162-306-11		0.01uF	20%	16V	D302	8-719-911-19				
C551	1-162-286-31	CERAMIC	220PF	10%	50V	D315	8-719-911-19	DIODE 1SS1	19		
					(EX880)	D351	8-719-911-19	DIODE 1SS1	19		
C552	1-162-286-31	CERAMIC	220PF	10%	50V	D352	8-719-911-19				
0332	1 102 200 31	OLIVIIVIIO	22011	1070	(EX880)	D332	0 717 711 17	DIODE 1331	. ,		
					(LX000)	D2/F	0 710 011 10	DIODE 1001	10		
						D365		DIODE 1SS1			
C553	1-162-286-31	CERAMIC	220PF	10%	50V	D702	8-719-911-19				
					(EX880)	D801	8-719-911-19	DIODE 1SS1	19		
C554	1-162-286-31	CERAMIC	220PF	10%	50V	D802	8-719-933-33	DIODE HZS6	A1L		
					(EX880)	D803	8-719-911-19	DIODE 1SS1	19		
C555	1-162-286-31	CERAMIC	220PF	10%	50V						
0000	1 102 200 31	OLIVIIVIIO	22011	1070	(EX880)	D804	0 710 510 60	DIODE D5SB	A 20E01		
0557	4 4 4 0 00 4 04	OFDANAIO	00005	400/							
C556	1-162-286-31	CERAMIC	220PF	10%	50V	D809	8-719-933-84				
					(EX880)	D810	8-719-986-00	DIODE HZS7	C1LTA		
C557	1-162-286-31	CERAMIC	220PF	10%	50V	D813	8-719-911-19	DIODE 1SS1	19		
					(EX880)	D819	8-719-933-84	DIODE HZS1	5-2L		
					(=:::::)						
C558	1-162-286-31	CEDAMIC	220PF	10%	50V	D820	0 710 006 00	DIODE HZS70	^11 TA		
C336	1-102-200-31	CERAIVIIC	220PF	1070		D020	0-719-900-00	DIODE HZ3/	JILIA		
					(EX880)						
C559	1-162-286-31	CERAMIC	220PF	10%	50V			< IC >			
					(EX880)						
C560	1-162-282-31	CERAMIC	100PF	10%	50V	IC301	8-749-900-24	IC STK-4162I	MK2		
C570	1-126-052-11	FLECT	100uF	20%	16V	IC501	8-759-000-47				
C571	1-126-163-11		4.7uF	20%	50V	IC502	8-759-000-47				
6371	1-120-103-11	LLLCI	4.7ui	2070	30 V						
						IC503	8-759-000-48				
C701	1-162-294-31		0.001uF	10%	50V	IC504	8-759-000-49		BCP .		
C702	1-126-934-11	ELECT	220uF	20%	10V	IC505	8-759-634-51	IC M5218AP			
C703	1-126-045-11	ELECT	2.2uF	20%	50V						
C704	1-126-052-11	FLECT	100uF	20%	10V	IC701	8-759-111-68	IC UPC1237F	łΑ		
C711	1-126-233-11		22uF	20%	50V	IC802		IC TA78057S			
0/11	1-120-233-11	LLLOT	ZZUI	2070	30 V	10002	0-737-130-02	10 1A700373			
C712	1 10/ 000 11	EL ECT	22	200/	FOV			. IACK .			
C712	1-126-233-11		22uF	20%	50V			< JACK >			
C761	1-126-233-11	ELECT	22uF	20%	50V						
C762	1-126-233-11	ELECT	22uF	20%	50V	J202	1-770-226-11	JACK (LARGE	TYPE)(PHONI	ES)	
C801	1-126-059-11	ELECT	10uF	20%	50V	J501	1-770-015-11	JACK, PIN 6P	(TUNER IN, C	D IN, MI	OUT)
C802	1-126-163-11	ELECT	4.7uF	20%	50V	J502	1-770-015-11				
						J503	1-770-015-11		(,	,	,
C804	1-137-399-11	EILM	0.1uF	5%	100V	3303	1 770 013 11		DEO1 IN, VID	EUS INI	VIDEO3 IVI)
								(۷1	DEOT III, VID	EUZ IIV,	VIDEO3 IIV)
C805	1-119-940-51		4700uF	20%	50V						
C807	1-126-052-11	ELECT	100uF	20%	35V			< COIL >			
C808	1-126-052-11	ELECT	100uF	20%	35V						
C809	1-104-666-11	ELECT	220uF	20%	25V	L301	1-420-872-00	COIL, AIR-COF	RE		
						L351	1-420-872-00	COIL AIR-COF	RF		
C810	1-126-933-11	FLECT	100uF	20%	16V	2001	20 0,2 00	00.2,7			
C814	1-137-399-11		0.1uF	5%	100V			< TRANSISTOI	D s		
								< 1KAN313101	Κ >		
C815	1-119-940-51		4700uF	20%	50V						
C817	1-126-052-11		100uF	20%	35V	Q301		TRANSISTOR		AEA	
C818	1-126-052-11	ELECT	100uF	20%	35V	Q302	8-729-422-73	TRANSISTOR	UN4212		
						Q303	8-729-620-05	TRANSISTOR	2SC2603-EF		
C819	1-104-666-11	FLECT	220uF	20%	25V	Q351	8-729-140-82				
C820	1-126-933-11		100uF	20%	16V	Q501	8-729-422-73			/ \L/ \	
						Q301	0-129-422-13	IKANSISTUK	UN4212		
C822	1-126-942-61		1000uF	20%	25V	_					
C823	1-164-159-11	CERAMIC	0.1uF		50V	Q502	8-729-900-63				
C824	1-124-997-11	ELECT	470uF	20%	10V	Q503	8-729-422-73	TRANSISTOR	UN4212		
						Q504	8-729-044-08	TRANSISTOR	2SD1915 (F)	-T(TA).S	SD
C825	1-164-159-11	CERAMIC	0.1uF		50V	Q554	8-729-044-08		٠,,		
3023	1 104 107-11	SELVAVIIO	J. 1 UI		00 V	Q809	8-729-140-96			. (1/1).0	
		CONNECTOR				2009	0-127-140-70	INANSISTUR	230114-34		
		< CONNECTOR >				000	0.700.1:	TDANIS ===	00070:-		
						Q819	8-729-140-97	TRANSISTOR	2SB/34-34		
CN11	1-569-624-11	SOCKET, CONNEC	CTOR 17P								
			(S	YSTEM (CONTROL)			< RESISTOR >			
CN501	1-770-965-11	PIN, CONNECTOR	`		,						
CN502		SOCKET, CONNEC		_,01		R301	1-249-417-11	CARRON	1K	5%	1/4W
		,		UVDD/34	D						
		SOCKET, CONNEC			н	R302	1-249-438-11		56K	5%	1/4W
CN504	1-770-963-11	PIN, CONNECTOR	k (PCB)(V T	YPE)3P		R303	1-249-415-11		680	5%	1/4W
						R304	1-249-438-11	CARBON	56K	5%	1/4W

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>
R305	1-260-103-11	CARBON	2.2K	5%	1/2W	R533	1-249-429-11		10K	5%	1/4W
						R534	1-247-807-31	CARBON	100	5%	1/4W
R306	1-260-103-11		2.2K	5%	1/2W						
R307	1-247-903-00		1M	5%	1/4W	R535	1-247-807-31		100	5%	1/4W
△ R309	1-212-881-11		100	5%	1/4W F	R536	1-247-807-31		100	5%	1/4W
△ R310	1-217-151-00		0.22	10%	2W	R538	1-249-429-11		10K	5%	1/4W
R311	1-249-417-11	CARBON	1K	5%	1/4W	R539	1-249-429-11		10K	5%	1/4W
						R540	1-247-807-31	CARBON	100	5%	1/4W
R312	1-249-431-11		15K	5%	1/4W						
R314	1-260-099-11		1K	5%	1/2W	R541	1-249-429-11		10K	5%	1/4W
R316	1-260-099-11		1K	5%	1/2W	R542	1-247-903-00		1M	5%	1/4W
R318	1-260-076-11		10	5%	1/2W	R543	1-249-437-11		47K	5%	1/4W
R320	1-260-076-11	CARBON	10	5%	1/2W	R544	1-249-413-11		470	5%	1/4W
Daga	1 040 400 11	CADDON	101/	E0/	4 / 4\ 4 /	R545	1-249-413-11	CARBON	470	5%	1/4W
R322	1-249-429-11		10K	5%	1/4W	DE 47	1 040 410 11	CADDON	470	F0/	4 / 4\ 4 /
R323	1-247-881-00		120K	5%	1/4W	R546	1-249-413-11		470	5%	1/4W
R324	1-249-437-11		47K	5%	1/4W	R547	1-249-413-11		470	5%	1/4W
R325	1-249-417-11		1K	5%	1/4W	R548	1-249-413-11		470	5%	1/4W
R326	1-249-439-11	CARBUN	68K	5%	1/4W	R549	1-247-807-31		100	5%	1/4W
R327	1 240 427 11	CADDON	47K	E0/	1/4\\/	R550	1-249-413-11	CARBUN	470	5%	1/4W
	1-249-437-11 1-249-426-11			5% 5%	1/4W	DEE1	1 240 417 11	CADDON	1K	5%	1/4W
R328 R329	1-249-420-11		5.6K	5% 5%	1/4W 1/4W	R551	1-249-417-11 1-249-417-11		1K 1K	5% 5%	1/4W 1/4W
Æ R330	1-249-433-11		22K 4.7	5% 5%	1/4W F	R552 R553	1-249-417-11		1K 1K	5% 5%	1/4W 1/4W
R335	1-212-649-00		4.7 100K	5% 5%	1/4W F 1/4W	R554	1-249-417-11		1K 1K	5%	1/4W
KSSS	1-249-441-11	CARDON	TOOK	376	1/4 VV	R555	1-249-417-11		1K 1K	5%	1/4W 1/4W
R340	1-249-425-11	CARBON	4.7K	5%	1/4W	K333	1-247-417-11	CARDON	IK	370	1/4 VV
R351	1-249-417-11		1K	5%	1/4W	R556	1-249-417-11	CADRON	1K	5%	1/4W
R352	1-249-438-11		56K	5%	1/4W	R557	1-249-417-11		1K	5%	1/4W
R353	1-249-415-11		680	5%	1/4W	K337	1-247-417-11	CARDON	IK	370	(EX880)
R354	1-249-438-11		56K	5%	1/4W	R557	1-249-425-11	CARRON	4.7K	5%	1/4W
11334	1-247-430-11	CARDON	JUK	370	1/ 4 0 0	1037	1-247-425-11	CARDON	T. / IX	370	(MS717)
R355	1-260-103-11	CARRON	2.2K	5%	1/2W	R558	1-249-417-11	CARRON	1K	5%	1/4W
R356	1-260-103-11		2.2K	5%	1/2W	R559	1-249-417-11		1K	5%	1/4W
R357	1-247-903-00		1M	5%	1/4W	11007	1 247 417 11	ONTO	110	370	17444
△ R359	1-212-881-11		100	5%	1/4W F	R567	1-249-429-11	CARRON	10K	5%	1/4W
△ R360	1-217-151-00		0.22	10%	2W	R570	1-249-417-11		1K	5%	1/4W
2211000	1 217 101 00	WE ITTE	0.22	1070	211	R571	1-249-417-11		1K	5%	1/4W
R361	1-249-417-11	CARBON	1K	5%	1/4W	R572	1-249-417-11		1K	5%	1/4W
R362	1-249-431-11		15K	5%	1/4W	R592	1-247-903-00		1M	5%	1/4W
R368	1-260-076-11		10	5%	1/2W						
R370	1-260-076-11		10	5%	1/2W	R593	1-249-437-11	CARBON	47K	5%	1/4W
R385	1-249-441-11	CARBON	100K	5%	1/4W	R598	1-249-417-11	CARBON	1K	5%	1/4W
						R599	1-249-417-11		1K	5%	1/4W
R401	1-260-076-11	CARBON	10	5%	1/2W	R701	1-249-424-11	CARBON	3.9K	5%	1/4W
					(EX880)	R702	1-249-441-11	CARBON	100K	5%	1/4W
R451	1-260-076-11	CARBON	10	5%	1/2W						
					(EX880)	R703	1-249-430-11	CARBON	12K	5%	1/4W
R501	1-249-417-11	CARBON	1K	5%	1/4W	R704	1-249-437-11	CARBON	47K	5%	1/4W
R502	1-249-417-11	CARBON	1K	5%	1/4W	 ⚠ R705	1-215-890-11	METAL OXIDE	470	5%	2W F
R503	1-249-417-11	CARBON	1K	5%	1/4W	R706	1-249-438-11	CARBON	56K	5%	1/4W
						R707	1-249-437-11	CARBON	47K	5%	1/4W
R504	1-249-417-11	CARBON	1K	5%	1/4W						
R505	1-249-417-11	CARBON	1K	5%	1/4W	R711	1-260-095-11	CARBON	470	5%	1/2W
R506	1-249-417-11	CARBON	1K	5%	1/4W	R713	1-249-441-11		100K	5%	1/4W
R507	1-249-417-11	CARBON	1K	5%	1/4W	R761	1-260-095-11	CARBON	470	5%	1/2W
					(EX880)	R763	1-249-441-11		100K	5%	1/4W
R507	1-129-425-11	CARBON	4.7K	5%	1/4W	R801	1-249-429-11	CARBON	10K	5%	1/4W
					(MS717)						
						R802	1-249-437-11		47K	5%	1/4W
R508	1-249-417-11		1K	5%	1/4W	R803	1-249-429-11		10K	5%	1/4W
R509	1-249-417-11		1K	5%	1/4W	 ≜ R805		METAL OXIDE	1K	5%	1W F
R517	1-249-429-11		10K	5%	1/4W	 ⚠ R807		METAL OXIDE	1K	5%	1W F
R520	1-249-417-11		1K	5%	1/4W	R809	1-249-421-11		2.2K	5%	1/4W
R521	1-249-417-11	CARBON	1K	5%	1/4W	R810	1-249-413-11	CARBON	470	5%	1/4W
_											
R522	1-249-417-11		1K	5%	1/4W	R813	1-249-429-11		10K	5%	1/4W
R531	1-249-429-11		10K	5%	1/4W	⚠ R815		METAL OXIDE	1K	5%	1W F
R532	1-249-429-11	CARBON	10K	5%	1/4W	 ≜ R817	1-215-869-11	METAL OXIDE	1K	5%	1W F

MAIN PANEL

Ref. No.	Part No.	Description			<u>Remark</u>	Ref. No.	Part No.	Description			<u>Remark</u>
R819	1-249-421-11		2.2K	5%	1/4W	C258	1-126-163-11		4.7uF	20%	50V
R820	1-249-413-11	CARBON	470	5%	1/4W	C259	1-136-157-00	FILM	0.022uF	5%	50V
		< RELAY >				C260	1-136-163-00	FILM	0.068uF	5%	50V
		\ KLLAI >				C261	1-136-167-00		0.000di 0.15uF	5%	50V
RY701	1-755-126-11	RELAY				C262	1-136-173-00		0.47uF	5%	50V
						C263	1-126-163-11		4.7uF	20%	50V
		< TERMINAL >				C269	1-126-163-11	ELECT	4.7uF	20%	50V
TB401		TERMINAL BOAR *******			ata da ata da ata da ata da	C291	1-136-165-00		0.1uF	5%	50V
**********	e ale ale ale ale ale ale ale ale ale al	de ale ale ale ale ale ale ale ale ale al		****	****	C292 C295	1-136-165-00 1-126-044-11		0.1uF	5% 20%	50V 50V
*	Λ 4407 960 Λ	PANEL BOARD, C	OMDI ETE	(EX88U)		C295 C298	1-120-044-11		1uF 0.1uF	20%	50V 50V
*		PANEL BOARD, C		. ,		C290	1-104-157-11		100uF	20%	25V
	7. 1.07 000 7.	******		()		02,,				2070	20.
								< CONNECTOR >			
		< CAPACITOR >									
0400		0554440	0.4.5		E 0.1	l		PLUG, CONNECT	`	,	
C103	1-164-159-11		0.1uF	000/	50V	CN211	1-784-230-11	PLUG, CONNECT	OR (PC BO)	ARD) 10H)
C104 C105	1-126-052-11		100uF	20%	10V 50V			< DIODE >			
C105	1-162-294-31 1-164-159-11		0.001uF 0.1uF	10%	50V 50V			< DIODE >			
C100	1-104-139-11		100uF	20%	10V	D101	8-719-046-44	DIODE SEL5221	IS (TIINER)		
0107	1 120 177 11	LLLOT	Toour	2070	10 0	D101		DIODE SEL5221			
C108	1-164-159-11	CERAMIC	0.1uF		50V	D103		DIODE SEL5221			
C109	1-162-282-31	CERAMIC	100PF	10%	50V	D104		DIODE SEL5221			
C110	1-162-294-31	CERAMIC	0.001uF	10%	50V	D105	8-719-046-44	DIODE SEL5221	IS (VIDEO1	(EX880))
C111	1-162-294-31		0.001uF	10%	50V	D105	8-719-046-44	DIODE SEL5221	IS (CS/BS)	(MS717)	
C114	1-164-159-11	CERAMIC	0.1uF		50V	D40/	0.740.047.44	DIODE OF FOO	10 AUDEOO	\	
C115	1 1/4 150 11	CEDANAIC	Λ 1Γ		50V	D106 D106		DIODE SEL5221 DIODE SEL5221			
C115	1-164-159-11 1-164-159-11		0.1uF 0.1uF		50V 50V	D106		DIODE SEL5221			
C110	1-164-159-11		0.1uF		50V	D107		DIODE SEL5221			
C118	1-162-294-31		0.001uF	10%	50V	D108		DIODE SEL5821			
C119	1-162-306-11		0.01uF	20%	16V	D109		DIODE SEL5821			IRECT)
						D110	8-719-046-44	DIODE SEL5221	IS (HIGH)		
C122	1-107-791-11		0.33F		5.5V						
C124	1-164-159-11		0.1uF	000/	50V	D111		DIODE SEL5221	IS (LOW)		
C125	1-126-961-11		2.2uF	20%	50V	D121		DIODE 155119			
C126 C127	1-162-282-31 1-162-282-31		100PF 100PF	10% 10%	50V 50V	D122 D123		DIODE 1SS119 DIODE 1SS119			
0127	1-102-202-31	CERAINIC	10011	1070	30 V	D123		DIODE 1SS119			
C128	1-162-282-31	CERAMIC	100PF	10%	50V						
C201	1-124-257-00		2.2uF	20%	50V			< IC >			
C204	1-124-257-00		2.2uF	20%	50V						
C205	1-126-163-11		4.7uF	20%	50V	IC101		IC uPD78082GE	3-A293BSM	TX	
C206	1-162-282-31	CERAMIC	100PF	10%	50V	IC102		IC M66310FP			
C207	1-162-217-31	CEDAMIC	56PF	5%	50V	IC103 IC201	8-759-105-82	IC PST600E-T			
C207	1-102-217-31		4.7uF	20%	50V	IC201	8-759-487-02				
C209	1-136-157-00		0.022uF	5%	50V	10202	0 737 407 02	10 5/15/12/			
C210	1-136-163-00		0.068uF	5%	50V	IC203	8-759-487-02	IC BA3129			
C211	1-136-167-00	FILM	0.15uF	5%	50V						
								< COIL >			
C212	1-136-173-00		0.47uF	5%	50V						
C213	1-126-163-11		4.7uF	20%	50V	L101	1-410-509-11		I0uH		
C219 C223	1-126-163-11 1-164-159-11		4.7uF 0.1uF	20%	50V 50V	L103 L104	1-410-509-11 1-410-509-11		IOuH IOuH		
C223	1-164-159-11		0.1uF 0.1uF		50V 50V	L104	1-410-309-11	INDUCTOR	IUUI		
022T	1 107 10/-11	JEIG WIIIO	o. rui		00 V			< TRANSISTOR >	•		
C241	1-136-165-00	FILM	0.1uF	5%	50V						
C242	1-136-165-00	FILM	0.1uF	5%	50V	Q101		TRANSISTOR D			
C245	1-126-044-11		1uF	20%	50V	Q102		TRANSISTOR D			
C248	1-164-159-11		0.1uF	2024	50V	Q103		TRANSISTOR U			
C249	1-104-665-11	ELECT	100uF	20%	25V	Q104 Q105		TRANSISTOR U			
C255	1-126-163-11	FLECT	4.7uF	20%	50V	Q105	0-129-422-13	TRANSISTOR U	1142 I Z		
C256	1-162-282-31		100PF	10%	50V	Q107	8-729-422-73	TRANSISTOR U	N4212		
C257	1-162-217-31		56PF	5%	50V	Q108		TRANSISTOR U			

PANEL

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
Q109		TRANSISTOR	1CD111/ I								
Q201	8-729-118-00) T/T/) C	0	R159	1-247-807-31	CADRON	100	5%	1/4W
Q201 Q202		TRANSISTOR				R160	1-247-807-31		100	5%	1/4VV 1/4W
0202	0-727-044-00	TRANSISTOR	2301713(1,	i-1(1A).50	,	R161	1-247-807-31		100	5%	1/4W
Q203	8-729-422-73	TRANSISTOR	UN4212			R162	1-247-807-31		100	5%	1/4W
Q204		TRANSISTOR				R163	1-247-807-31		100	5%	1/4W
Q251	8-729-044-08			-T(TA).S)						
Q252	8-729-044-08					R164	1-247-807-31	CARBON	100	5%	1/4W
Q253		TRANSISTOR				R165	1-249-441-11	CARBON	100K	5%	1/4W
						R201	1-249-425-11		4.7K	5%	1/4W
Q254	8-729-620-05	TRANSISTOR	2SC2603-EI	=		R202	1-249-413-11	CARBON	470	5%	1/4W
Q283	8-729-202-67	TRANSISTOR	2SK246-GR	3		R203	1-249-429-11	CARBON	10K	5%	1/4W
Q284	8-729-620-05	TRANSISTOR	2SC2603-EI	=							
						R204	1-249-417-11	CARBON	1K	5%	1/4W
		< RESISTOR >				R205	1-249-441-11		100K	5%	1/4W
						R206	1-249-417-11		1K	5%	1/4W
R101	1-249-409-11	CARBON	220	5%	1/4W	R207	1-247-903-00		1M	5%	1/4W
R102	1-249-409-11		220	5%	1/4W	R208	1-249-422-11	CARBON	2.7K	5%	1/4W
R103	1-249-409-11		220	5%	1/4W						
R104	1-249-409-11		220	5%	1/4W	R209	1-249-429-11		10K	5%	1/4W
R105	1-249-409-11	CARBON	220	5%	1/4W	R210	1-249-411-11		330	5%	1/4W
						R211	1-249-417-11		1K	5%	1/4W
R106	1-249-409-11		220	5%	1/4W	R212	1-249-409-11		220	5%	1/4W
R107	1-249-409-11		220	5%	1/4W	R213	1-247-903-00	CARBON	1M	5%	1/4W
R108	1-249-407-11		150	5%	1/4W						
R109	1-249-407-11		150	5%	1/4W	R214	1-247-903-00		1M	5%	1/4W
R110	1-249-409-11	CARBON	220	5%	1/4W	R215	1-247-843-11		3.3K	5%	1/4W
						R216	1-249-417-11		1K	5%	1/4W
R111	1-249-409-11		220	5%	1/4W	R217	1-249-413-11		470	5%	1/4W
R114	1-247-807-31		100	5%	1/4W	R218	1-249-441-11	CARBON	100K	5%	1/4W
R115	1-249-429-11		10K	5%	1/4W	D010	1 0 4 7 0 0 0 0 0	CADDON	11.4	F0/	4 / 4\4/
R116	1-247-807-31		100	5%	1/4W	R219	1-247-903-00		1M	5%	1/4W
R117	1-249-429-11	CARBON	10K	5%	1/4W	R220	1-247-807-31		100	5%	1/4W
D110	1 047 007 01	CADDON	100	F0/	1/4/4/	R221	1-249-425-11		4.7K	5%	1/4W
R118	1-247-807-31		100	5%	1/4W	R222	1-249-430-11		12K	5%	1/4W
R119	1-249-429-11 1-247-807-31		10K	5% 5%	1/4W	R232	1-249-425-11	CARBON	4.7K	5%	1/4W
R120 R121	1-247-807-31		100	5% 5%	1/4W	Dana	1-249-432-11	CADDON	101/	5%	1////
R121	1-249-429-11		10K 10K	5% 5%	1/4W 1/4W	R233 R234	1-249-432-11		18K 68K	5% 5%	1/4W 1/4W
KIZZ	1-249-429-11	CARDON	IUK	376	1/4 VV	R235	1-247-903-00		1M	5% 5%	1/4W
R123	1-249-429-11	CADRON	10K	5%	1/4W	R236	1-249-425-11		4.7K	5%	1/4W
R123	1-249-429-11		10K	5%	1/4W	R237	1-249-421-11		2.2K	5%	1/4W
R125	1-249-429-11		10K	5%	1/4W	11237	1-247-421-11	CARBON	2.21	370	1/400
R126	1-249-429-11		10K	5%	1/4W	R238	1-247-891-00	CARBON	330K	5%	1/4W
R127	1-247-903-00		1M	5%	1/4W	R239	1-249-441-11		100K	5%	1/4W
11127	1 2 17 700 00	O/INDON	1111	070	.,	R240	1-249-436-11		39K	5%	1/4W
R128	1-249-427-11	CARBON	6.8K	5%	1/4W	R241	1-247-903-00		1M	5%	1/4W
R129	1-249-427-11		6.8K	5%	1/4W	R245	1-247-807-31		100	5%	1/4W
R130	1-249-417-11		1K	5%	1/4W						
R131	1-249-415-11		680	5%	1/4W	R251	1-249-425-11	CARBON	4.7K	5%	1/4W
R133	1-249-417-11	CARBON	1K	5%	1/4W	R252	1-249-413-11	CARBON	470	5%	1/4W
						R253	1-249-429-11	CARBON	10K	5%	1/4W
R134	1-249-415-11	CARBON	680	5%	1/4W	R256	1-249-417-11	CARBON	1K	5%	1/4W
R135	1-249-419-11	CARBON	1.5K	5%	1/4W	R257	1-247-903-00	CARBON	1M	5%	1/4W
R140	1-247-807-31	CARBON	100	5%	1/4W						
R141	1-247-807-31	CARBON	100	5%	1/4W	R258	1-249-422-11	CARBON	2.7K	5%	1/4W
R142	1-249-429-11	CARBON	10K	5%	1/4W	R259	1-249-429-11	CARBON	10K	5%	1/4W
						R260	1-249-411-11	CARBON	330	5%	1/4W
R143	1-249-441-11	CARBON	100K	5%	1/4W	R261	1-249-417-11	CARBON	1K	5%	1/4W
R144	1-249-425-11		4.7K	5%	1/4W	R262	1-249-409-11	CARBON	220	5%	1/4W
R145	1-249-425-11		4.7K	5%	1/4W						
R147	1-249-441-11		100K	5%	1/4W	R263	1-247-903-00		1M	5%	1/4W
R153	1-247-807-31	CARBON	100	5%	1/4W	R264	1-247-903-00		1M	5%	1/4W
						R265	1-247-843-11		3.3K	5%	1/4W
R154	1-247-807-31		100	5%	1/4W	R266	1-249-417-11		1K	5%	1/4W
R155	1-247-807-31		100	5%	1/4W	R269	1-247-903-00	CARBON	1M	5%	1/4W
R156	1-247-807-31		100	5%	1/4W						
R157	1-247-807-31		100	5%	1/4W	R270	1-247-807-31		100	5%	1/4W
R158	1-247-807-31	CARBON	100	5%	1/4W	R271	1-249-425-11	CARBON	4.7K	5%	1/4W

				PA	NEL	PRIMA	ARY	SI	ECONDAF	RY	SW	VOL
Ref. No.	Part No.	<u>Description</u>			<u>Remark</u>	Ref. No.	Part No.		<u>Description</u>			<u>Remark</u>
R272	1-249-430-11	CARBON	12K	5%	1/4W	*	1-667-6	12-11	SW BOARD (MS	717)		
R282	1-249-425-11		4.7K	5%	1/4W		1 007 0	12 11	*****	, , , ,		
R283	1-249-432-11		18K	5%	1/4W							
									< CONNECTOR >			
R284	1-249-439-11		68K	5%	1/4W		4 5 / 4 / /	07.44	DIN CONNECTO	D 0D /4	10747\	
R285	1-247-903-00		1M	5% 5%	1/4W 1/4W	* CN601	1-564-68	87-11	PIN, CONNECTO	R 3P (N	(15/17)	
R286 R287	1-249-425-11 1-249-421-11		4.7K 2.2K	5% 5%	1/4W				< SWITCH >			
R288	1-247-891-00		330K	5%	1/4W				< SWITCH >			
						 ∆S601	1-572-67	75-11	SWITCH, POWER	R VOLTA	AGE CHAN	GE
R289	1-249-441-11	CARBON	100K	5%	1/4W							OR)(MS717)
R290	1-249-441-11		100K	5%	1/4W	******	*******	*****	******	*****	*******	******
R291	1-247-903-00		1M	5%	1/4W		4 (/7 (10 11	VOL BOARD			
R295	1-247-807-31	CARBON	100	5%	1/4W	*	1-66/-6	13-11	VOL BOARD *****			
		< VARIABLE RESI	STOR >									
									< CAPACITOR >			
		RES, VAR, CARBO		`	,							
		RES, VAR, CARBO		`	,	C112	1-126-05			100ul		
RV203	1-225-534-11	RES, VAR, CARBO	ON 100K/1	00K (BA	LANCE)	C113	1-162-30	06-11	CERAMIC	0.01u	F 20%	16V
		< SWITCH >							< CONNECTOR >			
S101	1-762-875-21	SWITCH, KEYBOA	(RD (♠)			CN201	1-784-23	31_11	SOCKET, CONNEC	TOR (F	PC BOARD	110P
S101		SWITCH, KEYBOA	. ,			ONZOT	1 704 20	51 11	30011,0011112)))))	O DOMIND,	7101
S103		SWITCH, KEYBOA	. ,	ING)					< IC >			
S104		SWITCH, KEYBOA			ECT)							
S105	1-762-875-21	SWITCH, KEYBOA	ARD (DBFE	3)		IC104	8-759-96	62-08	IC BA6208			
		< VIBRATOR >							< RESISTOR >			
X101		VIBRATOR, CERAI				R137	1-249-42	25-11	CARBON	4.7K	5%	1/4W
*******	**********	*********	******	*****	*****	R138			CARBON	4.7K	5%	1/4W
*	1 //7 /02 11					R139	1-249-38	85-11	CARBON	2.2	5%	1/6W
•	1-007-003-11	PRIMARY BOARD							< VARIABLE RES	SISTOR	>	
									VIIIIII	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	1-533-293-11	FUSE HOLDER				RV204	1-225-53	35-11	RES, VAR, CARB	ON 10k	X/100K/100	
		CONNECTOR										(VOLUME)
		< CONNECTOR >				*******	r~~~~~~	****	**********		*****	*****
* CN911	1-580-230-31	PIN, CONNECTOR	(PC BOAI	RD) 2P					MISCELLANEOU	S		
			`	,					********	*		
		< FUSE >										
A FO11	1 522 502 51	FLICE /T1 / AL /25/	21.4			<u></u> ∆ 56			CORD, POWER (,		
 ▲ F911 ▲ F912		FUSE (T1.6AL/250 FUSE, TIME LAG (•	250\/\(\M	C717)	<u></u>			CORD, POWER (TRANSFORMER,		,	
		***********				△ T901			TRANSFORMER,		,	
						******	******	****	*******	*****	******	******
*	1-667-605-11	SECONDARY BOA										
		******	***						*******			
	1 522 202 11	FUSE HOLDER							HARDWARE LIS			
	1-000-290-11	TUSETIOLDER										
		< CONNECTOR >				#1	7-685-64	47-79	SCREW +BVTP 3	X10 TY	PE2 N-S	
						#2			SCREW +BVTT 3	٠,		
* CN901	1-569-495-11	SOCKET, CONNEC	TOR 9P			#3			SCREW +BVTP 3			
		< FUSE >				#4	7-685-64	46-79	SCREW +BVTP 3	AYI BA	'L2 N-S	
 ∆ F903		FUSE (T2.5AL/250	•									
 1 1 1 1 1 1 1 1 1 		FUSE (T2.5AL/250 ******	,	******	*****							